

SHARP

NU-RJ280 | 280 W
NU-RJ285 | 285 W

The high performer (RJ)
280/285 W
Mono



For your independence

Take advantage of solar panels + battery solutions for maximum independence



55 years of solar expertise



Guaranteed positive power tolerance (0/+5 %)



Top PV brand award



Proven Quality
TÜV, IEC/EN61215, IEC/EN61730
Safety class II / CE
Application class A
DIN EN 13501-1 (class E)



Monocrystalline silicon photovoltaic modules



Made in Germany



10 YEARS Product guarantee



25 YEARS Linear power output guarantee



Robust product design
Ammonia test passed (DLG focus test)
Salt mist test passed (IEC61701)

Electrical data (STC)

		NU-RJ285	NU-RJ280	
Maximum power	P_{max}	285	280	W_p
Open-circuit voltage	V_{oc}	38.25	38.15	V
Short-circuit current	I_{sc}	9.60	9.50	A
Voltage at point of maximum power	V_{mpp}	31.65	31.55	V
Current at point of maximum power	I_{mpp}	9.09	8.98	A
Module efficiency	η_m	17.4	17.1	%

STC = Standard Test Conditions: irradiance 1,000 W/m², AM 1.5, cell temperature 25 °C.

Rated electrical characteristics are within ±10% of the indicated values of I_{sc} , V_{oc} and 0 to +5% of P_{max} (power measurement tolerance ±3%).
Reduction of efficiency from an irradiance of 1,000 W/m² to 200 W/m² ($T_{module} = 25$ °C) is less than 4%.

Electrical data (NOCT)

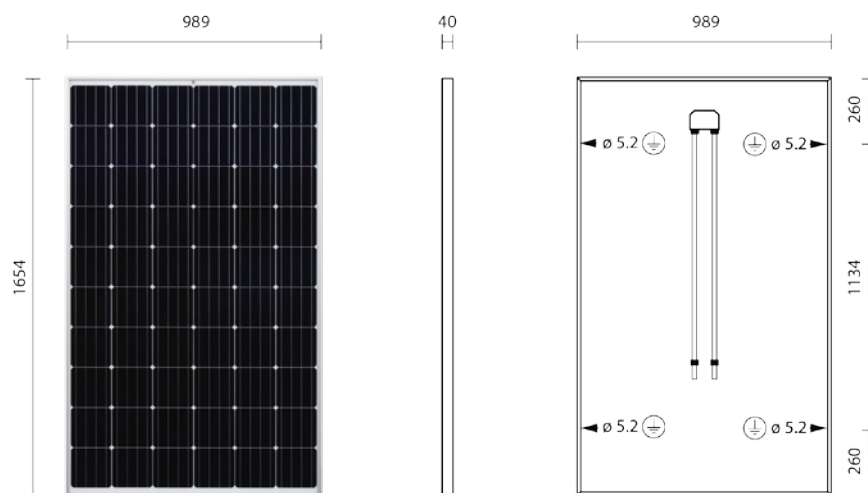
		NU-RJ285	NU-RJ280	
Maximum power	P_{max}	212.2	208.9	W_p
Open-circuit voltage	V_{oc}	35.35	35.26	V
Short-circuit current	I_{sc}	7.76	7.68	A
Voltage at point of maximum power	V_{mpp}	29.11	29.02	V
Current at point of maximum power	I_{mpp}	7.29	7.20	A

NOCT: Module operating temperature at 800 W/m² irradiance, air temperature of 20 °C, wind speed of 1 m/s. NOCT = 46 °C.

Mechanical data

Length	1,654 mm
Width	989 mm
Depth	40 mm
Weight	18.2 kg

Dimensions (mm)



*Please refer to Sharp's installation manual for details.

Temperature coefficient

P_{max}	-0.442 %/°C
V_{oc}	-0.329 %/°C
I_{sc}	0.042 %/°C

Limit values

Maximum system voltage	1,000 V DC
Over-current protection	15 A
Temperature range	-40 to +85° C
Max. mechanical load (snow/wind)	2,400 Pa
Tested snow load (IEC61215 test pass*)	5,400 Pa

General data

Cells	monocrystalline, 156 mm × 156 mm, 60 cells in series
Front glass	low iron tempered glass, 3.2 mm
Frame	anodized aluminium alloy, silver
Connection box	PPE+PS resin, IP67 Rating, 90 × 72 × 16 mm, 3 bypass diodes
Cable	PV1-f cable 4.0 mm, length 1,000 mm
Connector	MC4

Packaging data

Modules per pallet	22 pcs
Pallet size (L × W × H)	1.70 m × 1.03 m × 1.25 m
Pallet weight	420 kg



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SHARP

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